

Pavement Replacement and Improvements I-40/I-440/US64 (TIP projects I-5338 and I-5311) Raleigh, Wake County

The North Carolina Department of Transportation (NCDOT) will replace the pavement along about 11 miles of the I-40/US64/I-440 corridor, extend the lanes between ramps (auxiliary lanes) for some of the I-40 exits in the corridor, and do bridge preservation work on I-40 and I-440.

The department is using an innovative method called design-build, which combines design and construction into a single contract, allowing for more innovation than under traditional contracting methods. Exact details of how the contractor will perform the work will not be finalized until after a contract is awarded, which is anticipated to occur in January 2013.

Purpose of the projects

- The pavement is more than 30 years old and needs to be completely replaced. Over the past several years, work has been done to help preserve the existing pavement until funding became available for these larger projects.

Proposed Improvements

I-40(I-5338) - west of Jones Franklin Road to east of the I-40/US 64/I-440 interchange (Exit 301):

- Pavement Rehabilitation – completely removing and replacing all pavement in the travel lanes, ramps and shoulders.
- Bridge preservation work, which will extend the life of bridges on I-40.
- Extending lanes between ramps (auxiliary lanes) to make it easier and safer to get on/off the interstate at the following locations:
 - US 1/64 and Gorman Street interchanges (both east and westbound);
 - Gorman Street and Lake Wheeler Road interchanges (both east and westbound), and;
 - Rock Quarry Road and I-40/US 64/I-440 interchange (westbound).

I-440/US 64(I-5311) - east of the I-40/I-440/US 64 interchange (Exit 301) to just north of US 264/Knightdale Bypass (Exit 14):

- Pavement Rehabilitation – completely removing and replacing all pavement in the travel lanes, ramps and shoulders
- Bridge preservation work, which will extend the life of bridges on I-440.

Schedule *(subject to change)*

- Construction is anticipated to begin in Spring/Summer 2013 and last about 3 years.
- Currently, NCDOT is developing the environmental document for the I-40 project, which is due for completion by September 2012. The environmental document for the I-440/US 64 project was completed in February 2012.
- Bids are opened, and contract is awarded in January, 2013.
- Project completed in the Fall of 2015.

Travel Impacts

- NCDOT's goal is to keep at least 2 lanes of travel in each direction open during construction; however, that will be determined once final plans are submitted by the contractor.

- More than 100,000 vehicles travel these sections of highway daily, so any lane closures are expected to have significant impacts to travel. Because of this, NCDOT is planning an extensive public information and outreach campaign about the work and what to expect during construction.

Project Costs *(estimated and subject to change)*

I-40 (I-5338): \$120 million

I-440/US 64 (I-5311): \$48 million

Total: \$168 million

Right of Way Needs

NCDOT does not anticipate acquiring any property for these projects, because all work is proposed to occur within the existing right of way.